

P a t e n t C l a i m s

1.

5 A termination of bundles/strands in a tension member (1), which tension member consists of a plurality of fiber filaments (3) gathered into one or more bundles/strands (2), in which the filaments (3) run close together, around which bundles/strands (2) there is provided a sheath/casing, c h a r a c t e r i z e d i n that the bundles/strands (2) are spread apart in a transitional zone, and each bundle/strand is inserted into its
10 respective hole (6) in a socket (4, 5), and is fixed in relation to the hole (6) by means of a hardenable mass.

2.

15 A termination according to claim 1, c h a r a c t e r i z e d i n that the hole (6) tapers inward in the direction toward the tension member (1).

3.

20 A termination according to claim 1 or 2, c h a r a c t e r i z e d i n that a plurality of strands (2) are each anchored in their respective holes (6) in the same socket (4, 5).

4.

25 A termination according to claim 2 or 3, c h a r a c t e r i z e d i n that a slip agent is applied to the walls of the hole (6), so that the hardenable mass is prevented from adhering to the walls of the hole (6).

5.

30 A termination according to one or more of the preceding claims, c h a r a c t e r i z e d i n that it comprises at least two sockets, a first socket (4) and a second socket (5) that are joined together, where the first socket (4) has a smaller diameter than the second socket (5), allowing the strands secured in the second socket (5) to extend beyond the first socket (4).

6.

A termination according to claim 5, characterized in that the first socket (4) and the second socket (5) are positioned in concentric relationship with one another and are connected via adjoining surfaces.

5

7.

A termination according to claim 5 or 6, characterized in that a tightening screw (11) is connected to the second socket (5).

10

8.

A termination according to claim 7, characterized in that a retention screw (9) is connected to the second socket (5), that the retention screw (9) is provided with a nut (12) and that the nut securely holds a sleeve-shaped tightening screw (11) between itself and the second socket (5).

15

9.

A termination according to one of the claims 5 – 8, characterized in that the sockets (4, 5) are attached to one another by means of prestressed bolts (8), which extend through a through bore in the second socket (5) and down into a threaded blind hole in the first socket (4).

20

10.

A termination according to one of the claims 5 – 8, characterized in that at least one of the strands (2b) secured in the second socket (5) has its end on the surface of the second socket (5) opposite the tension member (1) lying freely accessible, such that there is access to an optical fiber in the strand and that the necessary connecting equipment for the optical fiber can be placed on top of the second socket.

25

30